

VIX SMART GATES



Vix Smart Gates deliver a paradigm shift in passenger validation and fast transit. The digital-first EMV-enabled gates operate in conjunction with advanced configuration and a modern design to provide a unique automatic ticket gate for transit agencies and operators.

Features and Benefits

Wide and Narrow Variants

With a 600mm standard aisle for fast transit through the gates and a 900mm aisle width accommodating passengers with reduced mobility, the smart gates offer aisles suitable for different passengers, whilst still optimising the gates' speed-of-use.

Secure and Durable

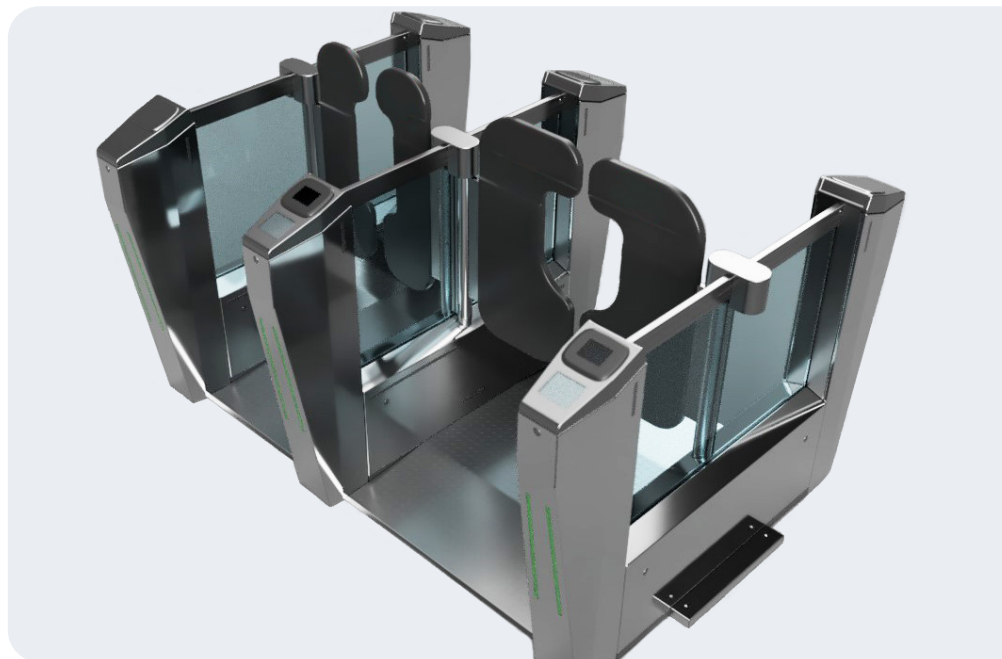
The smart gates 304 stainless steel construction cabinet offers security, durability and optimal appearance in the station. Operators can be confident the gate will be safe, last and be attractive to passengers.

Built-In Alarms to Prevent Gate Misuse

Vix Smart Gates trigger fraud alarms for different misuse scenarios including tailgating, intrusion, wrong-way and crawl under. This offers immediate alerts to passengers and operators in the event of gate misuse, ensures revenues are maximised and unnecessary administration costs are reduced.

Easy to Maintain

Vix Smart Gates are easy to maintain. Access is offered easily through three removable covers which allow fast and easy maintenance to the mechanism, gate controller and full service access to the automated fare collection components.



Fast Installation

With a design that is matched to existing gate footprints, Vix Smart Gates use existing mounting and cable access points so that an operator upgrading from existing gate installations can do this quickly and easily, with the minimal civils.

Safe and Secure

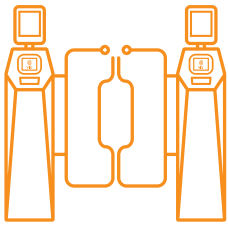
The 10mm clear safety glass infills offer operators full visibility of the gate operation while ensuring the complete integrity of gate use by passengers. This means that passenger fraud attempts are deterred. Whilst passenger issues are easy and fast to identify.

Compliant and Accredited

Vix Smart Gates are accredited by EMV at L1 and L2 so operators can use the gates with full reassurance of compliance and integrity of the payment operation.

Optimal Passenger Information

Validator screens with LED ring lights, and passenger display screens offer passengers information on their ticket/ journey, keeping them informed on the go. This is complemented by an RGB LED gate end display which quickly shows lane availability for even faster use of the gates, minimising congestion and queues



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Technical Specification

Component	Function
Gate Management	<p>Remote configuration of gate via Cast including gate mode scheduling</p> <p>Remote control of Gate via Cast including mode change and granting single passage</p> <p>Remote monitoring via Cast including multiple parameters</p> <p>Gate reporting available via Cast including Gate Status and Ticket Usage reports</p>
Passage Management	<p>Passenger presence sensing is achieved with 24 infrared sensors in the gate passageway</p> <p>Integration with Vix validators provides passage control based on validation outcome</p> <p>Wide (900mm) and narrow (600mm) aisle variants available</p>
Mechanism	<p>Paddles are operated by a 24V brushless DC motor connected to an absolute angular sensor.</p> <p>Microprocessor control system guarantees precise movement and positioning of the paddles.</p> <p>Safety sensors and over-current protection prevent the doors from closing on an obstruction.</p> <p>Paddle opening force and open shut/speed are configurable to optimise passenger safety</p>
Fraud Prevention	<p>The gate's controlling logic automatically detects abnormal conditions and activates a series of operations aimed at preventing fraud including the activation of alarms and warning lights</p> <p>The gate is capable of detecting multiple fraud types including passback, wrong-way, crawl under, tailgating and attempting to force the paddles open</p>
Tokens Accepted	<p>The Vix validators are NFC capable, ITSO and EMV Level 1 and Level 2 certified</p> <p>The Vix validators are integrated with a barcode scanner</p> <p>ITSO Smart Cards are accepted including physical and mobile based cards</p> <p>Barcode tokens are accepted including Aztek, mobile based and paper barcodes</p> <p>Contactless EMV payments are accepted including physical and mobile based cards</p> <p>Magstripe integration is on the product roadmap subject to customer demand</p>
Operation Method	<p>On receipt of an approved token being presented to the Vix validator, the panels will open to allow passage.</p> <p>If an unauthorised person attempts to tailgate, jump over, crawl under or to force the paddles open, the gate detects and closes the unauthorised passage and activates an alarm.</p>
Customer Display	<p>An optional two sided passenger display screen can be fitted to the gate</p> <p>Screens displayed are configurable depending on customer requirements</p>
Standards and Compliance	<p>Vix Validators are Level 1 and Level 2 EMV certified</p> <p>Vix Validators and Cast are ITSO Certified</p>

Paddle Dimensions

